

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q83707

Takakazu YANO, et al.

Appln. No.: National Stage Entry of PCT/JP03/04610

Confirmation No.: Not yet assigned

Group Art Unit: Not yet assigned

Filed: October 05, 2004

Examiner: Not yet assigned

For: LIQUID CRYSTAL DISPLAY DEVICE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a

INFORMATION DISCLOSURE STATEMENT  
National Stage Entry of PCT/JP03/04610

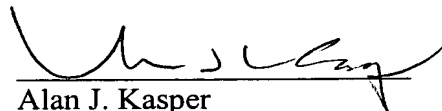
foreign patent office in a counterpart application citing such documents, together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations: English language abstracts, submitted herewith, constitute concise statements of relevance for Japanese Patent Application Laid Open Publication Nos. 2001-183998 and 2001-184000. Also both references are discussed on page 2 of the specification of the subject application.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: October 6, 2004

**FOR SUBMITTING IDS**

Client's Ref :	CWO1149
	110395/2002
Our Ref :	CZ04-006PCT-US

Country, Application/Publication/ Patent Number, Author, Title, Name of Document	Issue date (Application Date)	Concise Explanation of the Relevance (indication of page, column, line, figure of the relevant portion)
* ① Japan No. SHO 61-177487 A	Aug. 9, 1986	This application is corresponding to US 4,764,766 (Aug. 16, 1988)
* ② Japan No. 2000-10530 A	Jan. 14, 2000	This application is corresponding to US 6,515,645 B1 (Feb. 4, 2003)
* ③ Japan No. 2001-183998 A	Jul. 6, 2001	English Abstract
* ④ Japan No. 2001-184000 A	Jul. 6, 2001	English Abstract
⑤ Japan No. 2000-338513 A	Dec. 8, 2000	English Abstract * Cited reference of THE INTERNATIONAL SEARCH REPORT.
⑥ Japan No. 2001-255850 A	Sep. 21, 2001	English Abstract * Cited reference of THE INTERNATIONAL SEARCH REPORT.
⑦ Japan No. HEI 11-101967 A	Apr. 13, 1999	English Abstract * Cited reference of THE INTERNATIONAL SEARCH REPORT.

\* : The prior art document identified in the specification.

Client's Ref :	CWO1149 110395/2002
Our Ref :	CZ04-006PCT-US

Country, Application/Publication/ Patent Number, Author, Title, Name of Document	Issue date (Application Date)	Concise Explanation of the Relevance (indication of page, column, line, figure of the relevant portion)
⑧ Japan No. SHO 61-67095 A	Apr. 7, 1986	Partial Translation (From Page 2 lower right column, line 1 to Page 3 upper right column, line 9) * Cited reference of THE INTERNATIONAL SEARCH REPORT.
⑨ Japan No. HEI 7-56544 A	Mar. 3, 1995	English Abstract * Cited reference of THE INTERNATIONAL SEARCH REPORT.
⑩ Japan No. HEI 9-198010 A	Jul. 31, 1997	English Abstract * Cited reference of THE INTERNATIONAL SEARCH REPORT.
⑪ Japan No. 2000-3144 A	Jan. 7, 2000	English Abstract * Cited reference of THE INTERNATIONAL SEARCH REPORT.
⑫ US 5,896,114	Apr. 20, 1999	* Cited reference of THE INTERNATIONAL SEARCH REPORT.

\* : The prior art document identified in the specification.

Substitute for Form 1449 A & B/PTO				DTOS 03/04/PTO 0 6 OCT 2004			
				Application Number		National Stage Entry of PCT/JP03/04610	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Confirmation Number		Not yet assigned	
				Filing Date		October 06, 2004	
				First Named Inventor		Takakazu YANO	
				Art Unit		Not yet assigned	
				Examiner Name		Not yet assigned	
Sheet 1 of 1				Attorney Docket Number		Q83707	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,764,766		08/16/1988	Naofumi AOYAMA, et al.
		US 6,515,645	B1	02/04/2003	Takakazu YANO
		US 5,896,114	A	01/07/2000	Yohichi IMAMURA, et al.
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2001-183998	A	07/06/2001	Sanyo Electric Co. Ltd.	Abstract
		JP	2001-184000	A	07/06/2001	Sanyo Electric Co. Ltd.	Abstract
		JP	2000-338513	A	12/08/2000	Casio Computer Co., Ltd	Abstract
		JP	2001-255850	A	09/21/2001	Matsushita Electric Industrial	Abstract
		JP	11-101967	A	04/13/1999	Toshiba Corp.	Abstract
		JP	61-67095	A	04/07/1986	Nippon Telegraph and Telephone Corp.	Partial
		JP	7-56544	A	03/03/1995	Fujitsu Ltd.	Abstract
		JP	2000-3144	A	01/07/2000	Casio Computer Co., Ltd.	Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.